

Access DB# 65278**SEARCH REQUEST FORM**

Scientific and Technical Information Center

Requester's Full Name: Ann Marie Koss Examiner #: 78972 Date: 6/3/02
 Art Unit: 1751 Phone Number 30 5-3176 Serial Number: 09/889,503
 Mail Box and Bldg/Room Location: CP3 9B30 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: _____

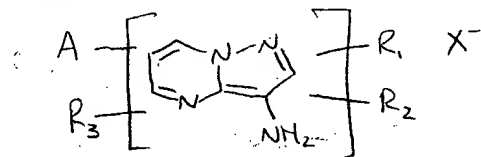
Inventors (please provide full names): Terranova et al

Earliest Priority Filing Date: _____

**For Sequence Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

Please search compound of formula (I) claim 23
and dependent claims therein

Where



Wherein A can be $-NR_4R_5$ or $-OH$
and 1 of R_1, R_2, R_3 must have $-N^+$

Thanks

STAFF USE ONLY

	Type of Search	Vendors and cost where applicable
Searcher: <u>EL</u>	NA Sequence (#) _____	STN <u>\$156.85</u>
Searcher Phone #: _____	AA Sequence (#) _____	Dialog _____
Searcher Location: _____	Structure (#) <u>✓(3)</u>	Questel/Orbit _____
Date Searcher Picked Up: _____	Bibliographic _____	Dr.Link _____
Date Completed: <u>4-26-02</u>	Litigation _____	Lexis/Nexis _____
Searcher Prep & Review Time: <u>30</u>	Fulltext _____	Sequence Systems _____
Clerical Prep Time: _____	Patent Family _____	WWW/Internet _____
Online Time: <u>40</u>	Other _____	Other (specify) _____

=> file reg

FILE 'REGISTRY' ENTERED AT 15:21:03 ON 26 APR 2002

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STRUCTURE FILE UPDATES: 25 APR 2002 HIGHEST RN 408304-53-0

DICTIONARY FILE UPDATES: 25 APR 2002 HIGHEST RN 408304-53-0

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES
for more information. See STNote 27, Searching Properties in the CAS
Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> d his

(FILE 'HOME' ENTERED AT 14:27:54 ON 26 APR 2002)

FILE 'LREGISTRY' ENTERED AT 14:29:14 ON 26 APR 2002

L1 STR

FILE 'REGISTRY' ENTERED AT 14:35:56 ON 26 APR 2002

L2 3 S L1

L3 STR L1

L4 3 S L3

L5 STR L3

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SAV L7 KOS503/A

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L8 0 S L7

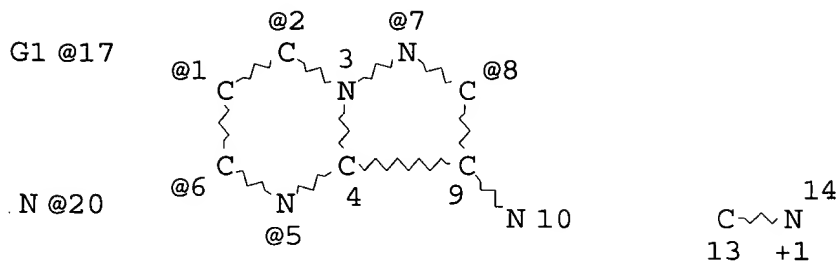
FILE 'ZCAPLUS' ENTERED AT 15:11:08 ON 26 APR 2002

L9 1 S L7

FILE 'REGISTRY' ENTERED AT 15:21:03 ON 26 APR 2002

=> d l7 que stat

L5 STR



VAR G1=OH/20
VPA 17-8/7/2/1/6/5 U
NODE ATTRIBUTES:
CHARGE IS E+1 AT 14
NSPEC IS RC AT 13
NSPEC IS RC AT 14
NSPEC IS RC AT 20
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 14

STEREO ATTRIBUTES: NONE
L7 27 SEA FILE=REGISTRY SSS FUL L5

100.0% PROCESSED 4282 ITERATIONS
SEARCH TIME: 00.00.02

27 ANSWERS

=> file zcaplus
FILE 'ZCAPLUS' ENTERED AT 15:21:18 ON 26 APR 2002
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FILE COVERS 1907 - 26 Apr 2002 VOL 136 ISS 17
FILE LAST UPDATED: 24 Apr 2002 (20020424/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> d l9 1 ibib abs hitstr hitrn

L9 ANSWER 1 OF 1 ZCAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2000:513700 ZCAPLUS

DOCUMENT NUMBER: 133:136754

TITLE: Novel cationic oxidation bases with a pyrazolo[1,5-a]pyrimidine structure, their use for oxidation dyeing of keratin fibers, dyeing compositions et dyeing methods

INVENTOR(S): Terranova, Eric; Fadli, Aziz; Lagrange, Alain

PATENT ASSIGNEE(S): L'oreal, Fr.

SOURCE: PCT Int. Appl., 52 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000043396	A1	20000727	WO 2000-FR73	20000114
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
FR 2788522	A1	20000721	FR 1999-503	19990119
FR 2788522	B1	20010216		
EP 1147109	A1	20011024	EP 2000-900581	20000114
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				

PRIORITY APPLN. INFO.:

FR 1999-503 A 19990119

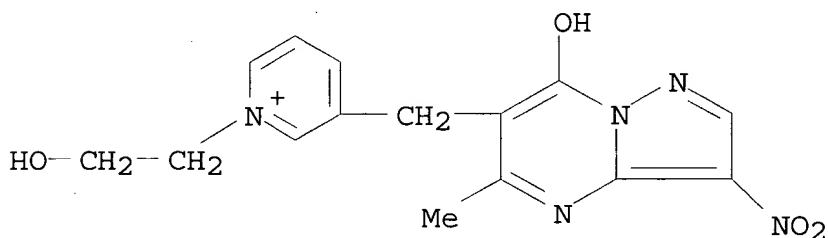
WO 2000-FR73 W 20000114

OTHER SOURCE(S): MARPAT 133:136754

AB The invention concerns novel 4-aminopyrazolo[1,5-a]pyrimidines comprising .gtoreq.1 cationic group Z, Z being selected among quaternized aliph. chains, aliph. chains comprising .gtoreq.1 quaternized ring, and their use as oxidn. base for dyeing keratin fibers, the dyeing compns. contg. them, and the oxidn. dyeing

methods using them. These compds. allow dyeing of keratin fibers so that individual strands have multiple shades. Thus, reaction of 50 g 4-nitro-1H-pyrazol-3-ylamine hydrochloride 12 h at reflux with 60 g Et acetoacetate in HOAc, chlorination of 23.3 1st intermediate 2.5 h at reflux with 230 cm³ POCl₃ in presence of 15.4 g PhNMe₂, reaction of 4.5 g 2nd intermediate 2 h with 2.88 g 3-imidazol-1-ylpropylamine in a DMF-dioxane mixt. in presence of Et₃N, reaction of 3 g 3rd intermediate 6 h at reflux with 10 g 2-chloroethanol, and redn. of the 4th intermediate gave 3-[3-(3-amino-5-methylpyrazolo[1,5]pyrimidin-7-ylamino)propyl]-1-(2-hydroxyethyl)-3H-imidazol-1-ium chloride, which was isolated as the dihydrochloride.

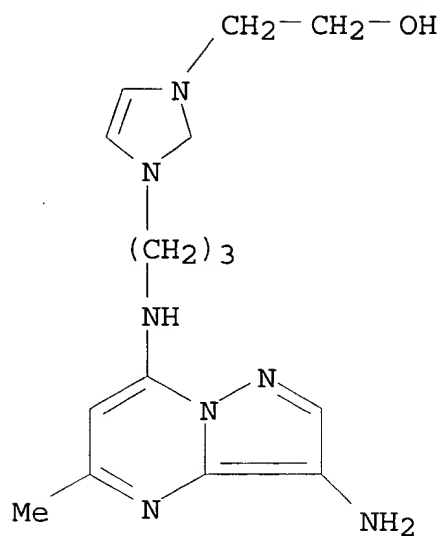
IT 286373-91-9P
 (quaternary ammonium base precursor; quaternary ammonium oxidn. bases with a pyrazolo[1,5-a]pyrimidine structure as precursors for oxidn. dyeing of hair)
 RN 286373-91-9 ZCAPLUS
 CN Pyridinium, 1-(2-hydroxyethyl)-3-[(7-hydroxy-5-methyl-3-nitropyrazolo[1,5-a]pyrimidin-6-yl)methyl]-, chloride (9CI) (CA INDEX NAME)



● Cl⁻

IT 286373-84-0P 286373-87-3P 286373-92-0P
 286373-94-2P 286373-96-4P 286373-98-6P
 286374-00-3P 286374-02-5P 286374-04-7P
 286374-05-8P 286374-07-0P 286374-08-1P
 286374-10-5P 286374-11-6P 286374-13-8P
 286374-14-9P

(quaternary ammonium oxidn. bases with a pyrazolo[1,5-a]pyrimidine structure as precursors for oxidn. dyeing of hair)
 RN 286373-84-0 ZCAPLUS
 CN 1H-Imidazolium, 1-[3-[(3-amino-5-methylpyrazolo[1,5-a]pyrimidin-7-yl)amino]propyl]-3-(2-hydroxyethyl)-, chloride, dihydrochloride (9CI) (CA INDEX NAME)



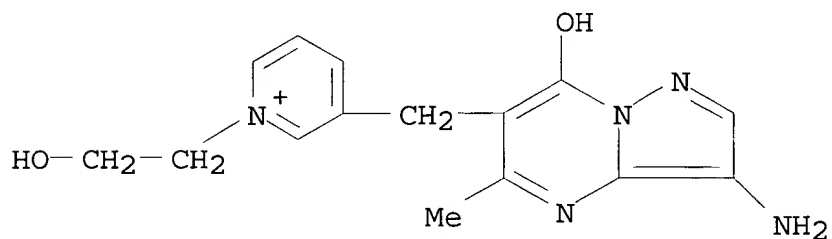
● 2 HCl

● Cl⁻

*** FRAGMENT DIAGRAM IS INCOMPLETE ***

RN 286373-87-3 ZCAPLUS

CN Pyridinium, 3-[(3-amino-7-hydroxy-5-methylpyrazolo[1,5-a]pyrimidin-6-yl)methyl]-1-(2-hydroxyethyl)-, chloride, monohydrochloride (9CI)
(CA INDEX NAME)

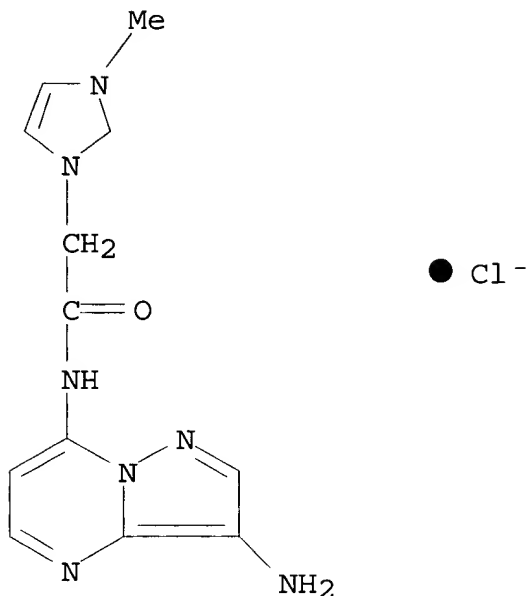
● Cl⁻

HCl

RN 286373-92-0 ZCAPLUS

CN 1H-Imidazolium, 1-[2-[(3-aminopyrazolo[1,5-a]pyrimidin-7-yl)amino]-2-yl]-

oxoethyl]-3-methyl-, chloride (9CI) (CA INDEX NAME)



*** FRAGMENT DIAGRAM IS INCOMPLETE ***

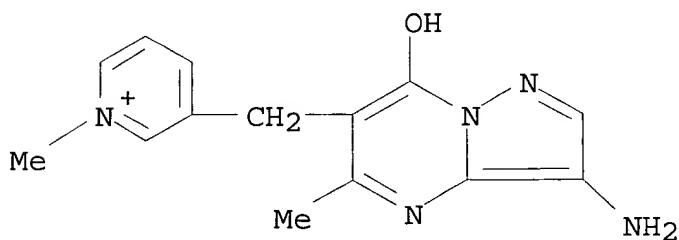
RN 286373-94-2 ZCAPLUS

CN Pyridinium, 3-[(3-amino-7-hydroxy-5-methylpyrazolo[1,5-a]pyrimidin-6-yl)methyl]-1-methyl-, methyl sulfate (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 286373-93-1

CMF C14 H16 N5 O



CM 2

CRN 21228-90-0

CMF C H3 O4 S

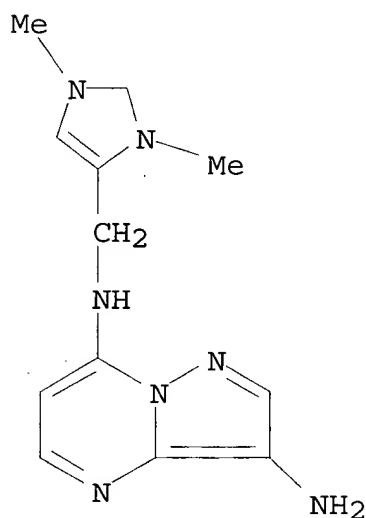
Me-O-SO₃⁻

RN 286373-96-4 ZCAPLUS
CN 1H-Imidazolium, 4-[[[(3-aminopyrazolo[1,5-a]pyrimidin-7-yl)amino]methyl]-1,3-dimethyl-, methyl sulfate (9CI) (CA INDEX NAME)

CM 1

CRN 286373-95-3

CMF C12 H16 N7



*** FRAGMENT DIAGRAM IS INCOMPLETE ***

CM 2

CRN 21228-90-0

CMF C H3 O4 S

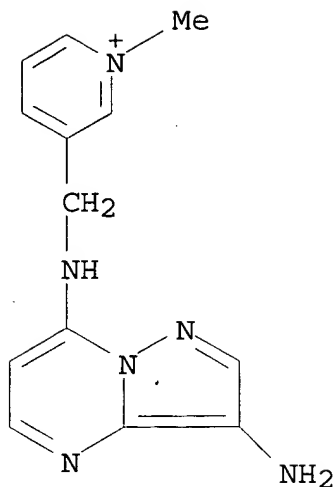
Me-O-SO₃⁻

RN 286373-98-6 ZCAPLUS
CN Pyridinium, 3-[[[(3-aminopyrazolo[1,5-a]pyrimidin-7-yl)amino]methyl]-1-methyl-, methyl sulfate (9CI) (CA INDEX NAME)

CM 1

CRN 286373-97-5

CMF C13 H15 N6



CM 2

CRN 21228-90-0

CMF C H3 O4 S

Me-O-SO₃⁻

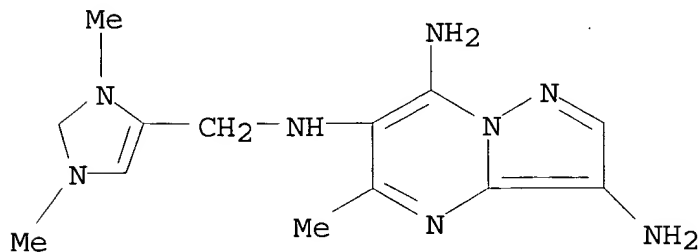
RN 286374-00-3 ZCAPLUS

CN 1H-Imidazolium, 4-[[[(3,7-diamino-5-methylpyrazolo[1,5-a]pyrimidin-6-yl)amino]methyl]-1,3-dimethyl-, methyl sulfate (9CI) (CA INDEX NAME)

CM 1

CRN 286373-99-7

CMF C13 H19 N8



*** FRAGMENT DIAGRAM IS INCOMPLETE ***

CM 2

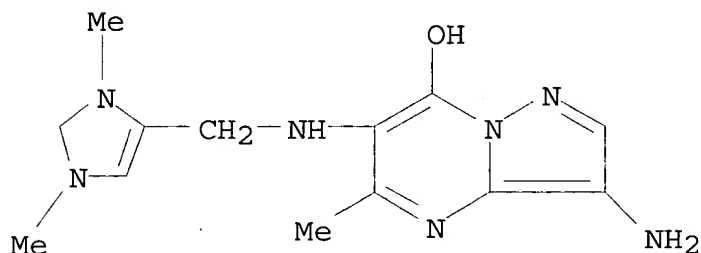
CRN 21228-90-0
CMF C H3 O4 S

Me-O-SO₃⁻

RN 286374-02-5 ZCAPLUS
CN 1H-Imidazolium, 4-[[(3-amino-7-hydroxy-5-methylpyrazolo[1,5-a]pyrimidin-6-yl)amino)methyl]-1,3-dimethyl-, methyl sulfate (salt)
(9CI) (CA INDEX NAME)

CM 1

CRN 286374-01-4
CMF C13 H18 N7 O



*** FRAGMENT DIAGRAM IS INCOMPLETE ***

CM 2

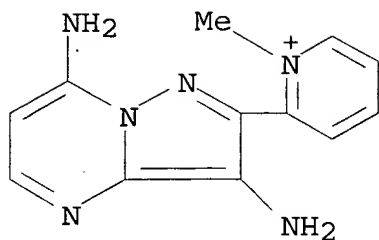
CRN 21228-90-0
CMF C H3 O4 S

Me-O-SO₃⁻

RN 286374-04-7 ZCAPLUS
CN Pyridinium, 2-(3,7-diaminopyrazolo[1,5-a]pyrimidin-2-yl)-1-methyl-,
methyl sulfate (9CI) (CA INDEX NAME)

CM 1

CRN 286374-03-6
CMF C12 H13 N6



CM 2

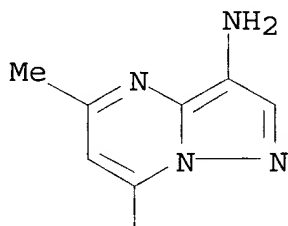
CRN 21228-90-0

CMF C H3 O4 S

Me-O-SO₃⁻

RN 286374-05-8 ZCAPLUS

CN 1-Propanaminium, 3-[(3-amino-5-methylpyrazolo[1,5-a]pyrimidin-7-yl)amino]-N,N,N-trimethyl-, chloride (9CI) (CA INDEX NAME)

Me₃⁺N-(CH₂)₃-NH● Cl⁻

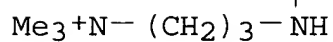
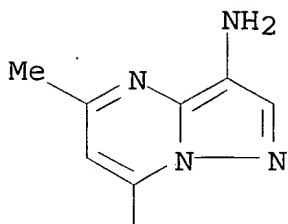
RN 286374-07-0 ZCAPLUS

CN 1-Propanaminium, 3-[(3-amino-5-methylpyrazolo[1,5-a]pyrimidin-7-yl)amino]-N,N,N-trimethyl-, methyl sulfate (9CI) (CA INDEX NAME)

CM 1

CRN 286374-06-9

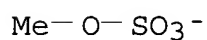
CMF C13 H23 N6



CM 2

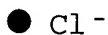
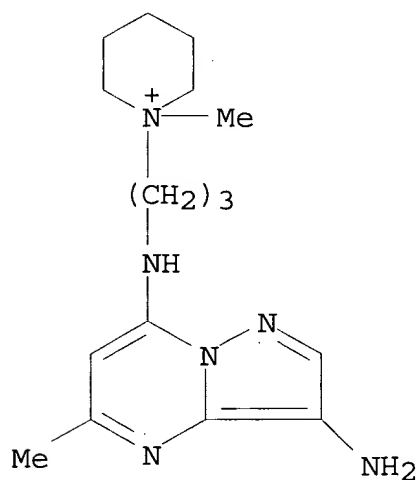
CRN 21228-90-0

CMF C H3 O4 S



RN 286374-08-1 ZCAPLUS

CN Piperidinium, 1-[3-[(3-amino-5-methylpyrazolo[1,5-a]pyrimidin-7-yl)amino]propyl]-1-methyl-, chloride (9CI) (CA INDEX NAME)



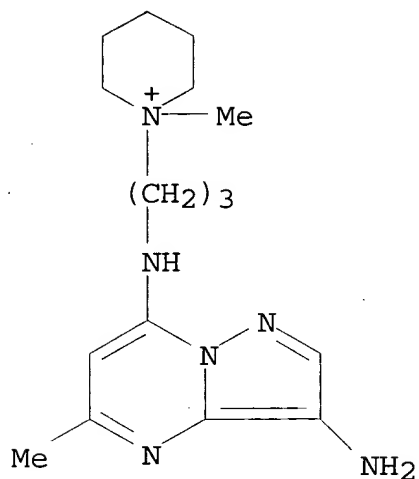
RN 286374-10-5 ZCAPLUS

CN Piperidinium, 1-[3-[(3-amino-5-methylpyrazolo[1,5-a]pyrimidin-7-yl)amino]propyl]-1-methyl-, methyl sulfate (9CI) (CA INDEX NAME)

CM 1

CRN 286374-09-2

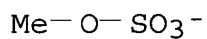
CMF C16 H27 N6



CM 2

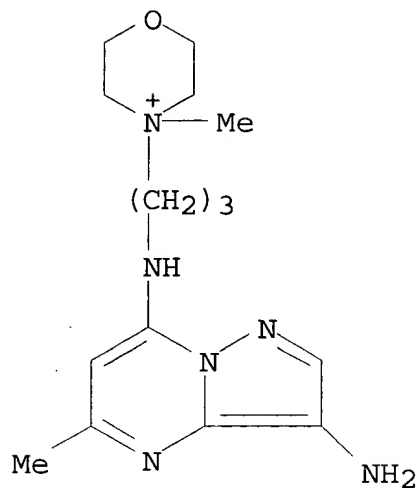
CRN 21228-90-0

CMF C H3 O4 S



RN 286374-11-6 ZCAPLUS

CN Morpholinium, 4-[3-[(3-amino-5-methylpyrazolo[1,5-a]pyrimidin-7-yl)amino]propyl]-4-methyl-, chloride (9CI) (CA INDEX NAME)



● Cl⁻

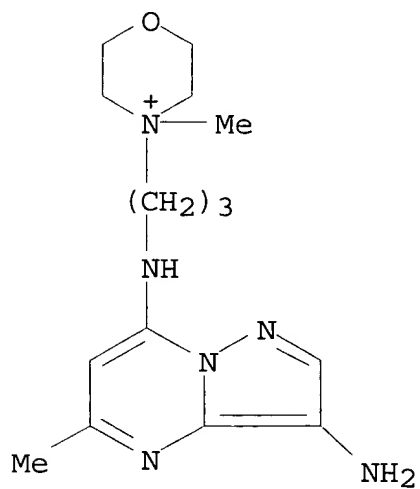
RN 286374-13-8 ZCAPLUS

CN Morpholinium, 4-[3-[(3-amino-5-methylpyrazolo[1,5-a]pyrimidin-7-yl)amino]propyl]-4-methyl-, methyl sulfate (9CI) (CA INDEX NAME)

CM 1

CRN 286374-12-7

CMF C15 H25 N6 O

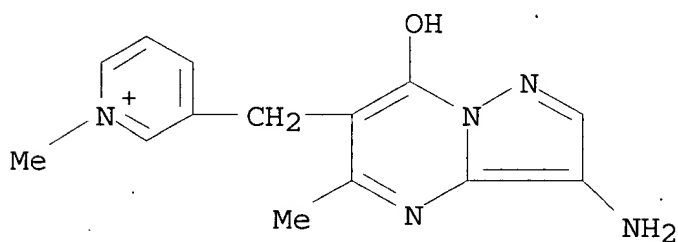


CM 2

CRN 21228-90-0
CMF C H3 O4 S

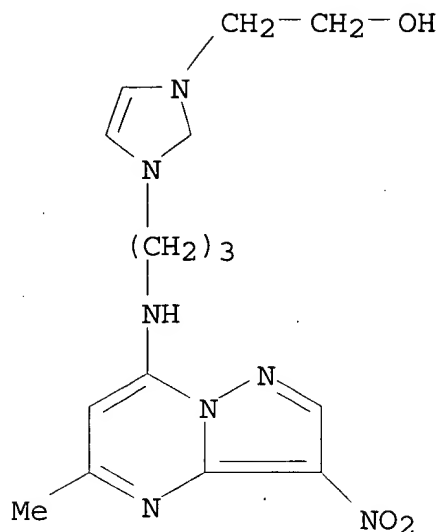
Me-O-SO₃⁻

RN 286374-14-9 ZCAPLUS
CN Pyridinium, 3-[(3-amino-7-hydroxy-5-methylpyrazolo[1,5-a]pyrimidin-6-yl)methyl]-1-methyl-, chloride (9CI) (CA INDEX NAME)



● Cl⁻

IT 286373-86-2P
(quaternary ammonium oxidn. bases with a pyrazolo[1,5-a]pyrimidine structure as precursors for oxidn. dyeing of hair)
RN 286373-86-2 ZCAPLUS
CN 1H-Imidazolium, 1-(2-hydroxyethyl)-3-[3-[(5-methyl-3-nitropyrazolo[1,5-a]pyrimidin-7-yl)amino]propyl]-, chloride (9CI) (CA INDEX NAME)



● Cl⁻

*** FRAGMENT DIAGRAM IS INCOMPLETE ***

IT 286373-91-9P

(quaternary ammonium base precursor; quaternary ammonium oxidn. bases with a pyrazolo[1,5-a]pyrimidine structure as precursors for oxidn. dyeing of hair)

IT 286373-84-0P 286373-87-3P 286373-92-0P
 286373-94-2P 286373-96-4P 286373-98-6P
 286374-00-3P 286374-02-5P 286374-04-7P
 286374-05-8P 286374-07-0P 286374-08-1P
 286374-10-5P 286374-11-6P 286374-13-8P
 286374-14-9P

(quaternary ammonium oxidn. bases with a pyrazolo[1,5-a]pyrimidine structure as precursors for oxidn. dyeing of hair)

IT 286373-86-2P

(quaternary ammonium oxidn. bases with a pyrazolo[1,5-a]pyrimidine structure as precursors for oxidn. dyeing of hair)

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT.